

SEQUENCE LISTING

<110> Salceda, Susana
Cafferkey, Robert
Recipon, Herve
Sun, Yongming

<120> A NOVEL METHOD OF DIAGNOSING, MONITORING, STAGING,
IMAGING AND TREATING BREAST CANCER

<130> DEX-0117

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<150> 60/166,973

<151> 1999-11-23

<160> 21

<170> PatentIn Ver. 2.0

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<400> 1

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35 40 45

Arg Gly His Glu Val Thr Val Leu Ala Ser Ser Ala Ser Ile Leu Phe
50 55 60

Asp Pro Asn Asp Ala Ser Thr Leu Lys Phe Glu Val Tyr Pro Thr Ser
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Leu Thr Lys Thr Glu Phe Glu Asn Ile Ile Met Gln Gln Val Lys Arg
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Trp Ser Asp Ile Arg Lys Asp Ser Phe Trp Leu Tyr Phe Ser Gln Glu
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Gln Glu Ile Leu Trp Glu Leu Tyr Asp Ile Phe Arg Asn Phe Cys Lys
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Asp Val Val Ser Asn Lys Lys Val Met Lys Lys Leu Gln Glu Ser Arg
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Ala Ala Leu Leu Asn Ile Arg Phe Val Tyr Ser Leu Arg Phe Thr Pro
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Gly Tyr Thr Ile Glu Arg His Ser Gly Gly Leu Ile Phe Pro Pro Ser
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Glu Arg Val Lys Asn Met Ile Tyr Val Leu Tyr Phe Asp Phe Trp Phe
210 215 220

Gln Met Ser Asp Met Lys Lys Trp Asp Gln Phe Tyr Ser Glu Val Leu
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Gly Arg Pro Thr Thr Leu Phe Glu Thr Met Gly Lys Ala Asp Ile Trp
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Leu Met Arg Asn Ser Trp Ser Phe Gln Phe Pro His Pro Phe Leu Pro
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Asn Val Asp Phe Val Gly Gly Phe His Cys Lys Pro Ala Lys Pro Leu
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Pro Lys Glu Met Glu Glu Phe Val Gln Ser Ser Gly Glu Asn Gly Val
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Val Val Phe Ser Leu Gly Ser Val Ile Ser Asn Met Thr Ala Glu Arg
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Asp Asn Ile Ala His Met Lys Ala Lys Gly Ala Ala Val Arg Leu Asp
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<400> 21

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35 40 45

Ser Asp Ala Ala Glu Leu Asn His Lys Glu Glu His Ser Leu His Val
50 55 60

Gln Asp Pro Ser Ser Ser Ser Lys Lys Asp Leu Lys Ser Ala Val Leu
65 70 75 80

Ser Glu Lys Ala Gly Phe Asn Tyr Glu Ser Pro Ser Lys Gly Gly Asn
85 90 95

Phe Pro Ser Phe Pro His Asp Glu Val Thr Asp Arg Asn Met Leu Ala
100 105 110

Phe Ser Phe Pro Ala Ala Gly Gly Val Cys Glu Pro Leu Lys Ser Pro
115 120 125

Gln Arg Ala Glu Ala Asp Asp Pro Gln Asp Met Ala Cys Thr Pro Ser
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Gly Asp Ser Leu Glu Thr Lys Glu Asp Gln Lys Met Ser Pro Lys Ala
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Thr Glu Glu Thr Gly Gln Ala Gln Ser Gly Gln Ala Asn Cys Gln Gly
165 170 175

Leu Ser Pro Val Ser Val Ala Ser Lys Asn Pro Gln Val Pro Ser Asp
180 185 190

Gly Gly Val Arg Leu Asn Lys Ser Lys Thr Asp Leu Leu Val Asn Asp
195 200 205

Asn Pro Asp Pro Ala Pro Leu Ser Pro Glu Leu Gln Asp Phe Lys Cys

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Lys His Phe Arg Lys Tyr His Leu Gly Leu His Asn Arg Thr Arg Gln					
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Asp Ala Glu Leu Asp Ser Lys Ile Leu Ala Leu His Asn Met Val Gln					
	260		265		270
Phe Ser His Ser Lys Asp Phe Gln Lys Val Asn Arg Ser Val Phe Ser					
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Gly Val Leu Gln Asp Ile Asn Ser Ser Arg Pro Val Leu Leu Asn Gly					
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Thr Tyr Asp Val Gln Val Thr Ser Gly Gly Thr Phe Ile Gly Ile Gly					
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Arg Lys Thr Pro Asp Cys Gln Gly Asn Thr Lys Tyr Phe Arg Cys Lys					
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Phe Cys Asn Phe Thr Tyr Met Gly Asn Ser Ser Thr Glu Leu Glu Gln					
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Tyr Tyr Trp Cys Lys Phe Cys Ser Phe Ser Cys Glu Ser Ser Ser Ser					
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Pro Leu Leu Arg His Tyr Gln Gln Leu His Asn Ile His Lys Cys Thr						
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His Leu Gly Glu Ile Thr Tyr Pro Phe Ala Cys Arg Lys Ser Asn Cys						
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Ser His Cys Ala Leu Leu Leu Leu His Leu Ser Pro Gly Ala Ala Gly						
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Ser Ser Arg Val Lys His Gln Cys His Gln Cys Ser Phe Thr Thr Pro						
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Asp Val Asp Val Leu Leu Phe His Tyr Glu Ser Val His Glu Ser Gln						
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Ala Ser Asp Val Lys Gln Glu Ala Asn His Leu Gln Gly Ser Asp Gly						
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Gln Gln Ser Val Lys Glu Ser Lys Glu His Ser Cys Thr Lys Cys Asp						
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Phe Ile Thr Gln Val Glu Glu Glu Ile Ser Arg His Tyr Arg Arg Ala						
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His Ser Cys Tyr Lys Cys Arg Gln Cys Ser Phe Thr Ala Ala Asp Thr						
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Gln Ser Leu Leu Glu His Phe Asn Thr Val His Cys Gln Glu Gln Asp						
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Ile Thr Thr Ala Asn Gly Glu Glu Asp Gly His Ala Ile Ser Thr Ile						

735

Gly Ser Pro Leu Glu Arg Arg Ser Glu Asp His Leu Thr Glu Ser His

980

985

990

Gln Arg Glu Ile Pro Leu Pro Ser Leu Ser Lys Tyr Glu Ala Gln Gly
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Ser Pro Gln Glu Ser Thr Gly Asp Pro Gly Asn Ser Ser Ser Val Ser
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Glu Gly Lys Gly Ser Ser Glu Arg Gly Ser Pro Ile Glu Lys Tyr Met
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Arg Pro Ala Lys His Pro Asn Tyr Ser Pro Pro Gly Ser Pro Ile Glu
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Lys Tyr Gln Tyr Pro Leu Phe Gly Leu Pro Phe Val His Asn Asp Phe
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Gln Ser Glu Ala Asp Trp Leu Arg Phe Trp Ser Lys Tyr Lys Leu Ser
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Lys His Ser Arg Pro Gly Pro Thr Ala Asn Gly Ala Ser Lys Glu Lys
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Lys Thr Glu Lys Val Asp Arg Ser Thr Gln Asp Glu Leu Ser Thr Lys
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Cys Val His Cys Gly Ile Val Phe Leu Asp Glu Val Met Tyr Ala Leu
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His Met Ser Cys His Gly Asp Ser Gly Pro Phe Gln Cys Ser Ile Cys

